APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820057-3

Molecular State and Electrical Conductivity of Silicate Melts, by A. S. Kheinman, L. I. Rybakova.

RUSSIAN, per, Iz Ak Nauk SSSR Otdel Tekh Nauk, No 11, 1949, pp 1685-1700.

NLL Ref: 9022.09 1963 (3082) (Loan)

Sci
Feb 64

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820057-3

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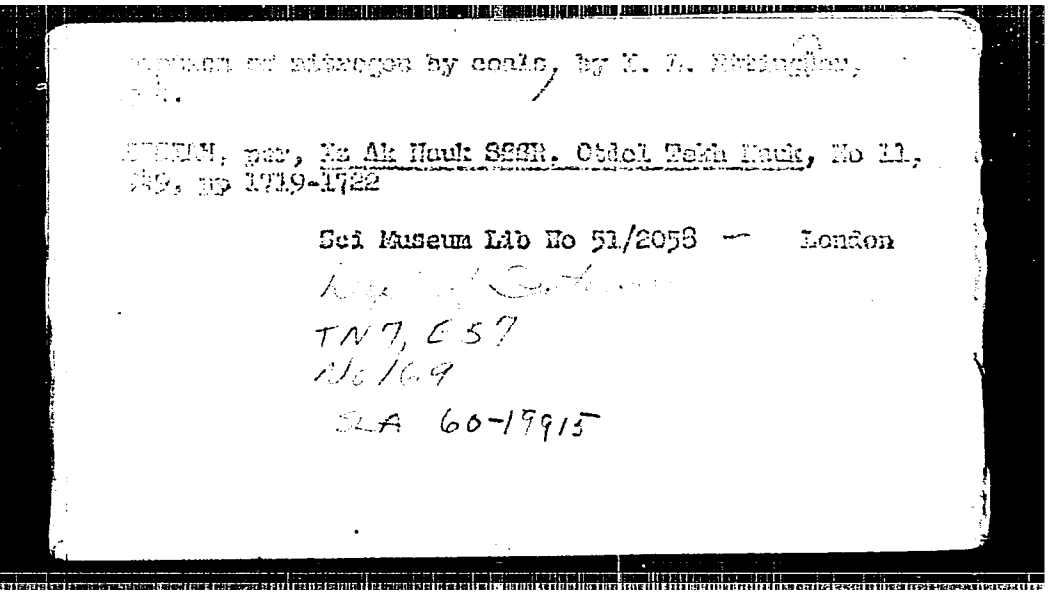

[illegible] of nitrogen by coals, by K. V. [illegible],
[illegible].

[illegible], gaz., Ts Ak Nauk SSSR, Otdel Tekh Nauk, No 11, 39, pp 1719-1722

Sci Museum Lib No 51/2058 — London

TN7, C57
No 1619
SLA 60-17915

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820057-3

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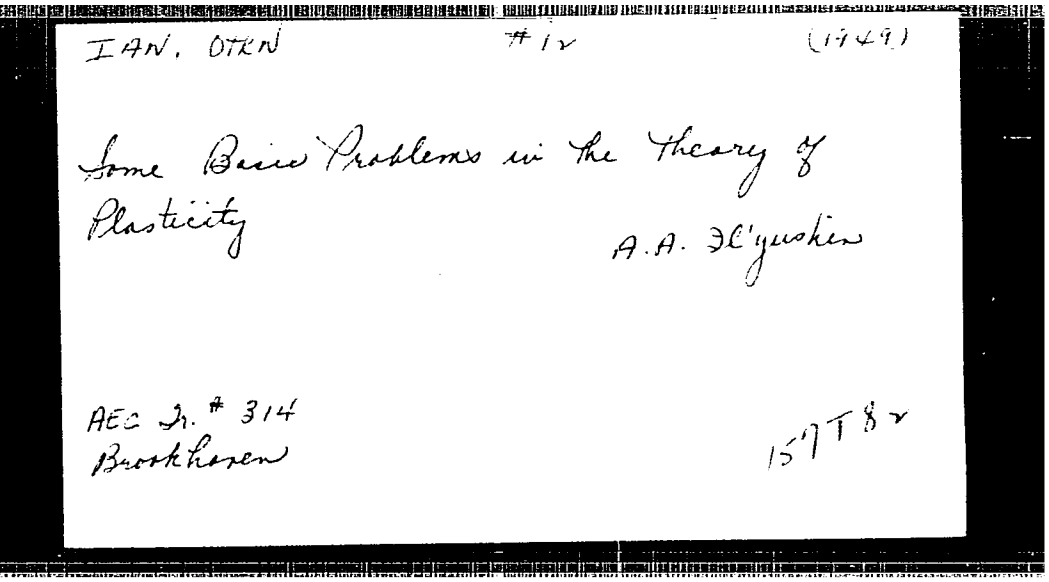

IAN. OTRN #1v (1949)

Some Basic Problems in the Theory of Plasticity

A.A. Il'yushin

AEC Tr. # 314
Brookhaven

15 T 8v

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820057-3

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The Problem of Strength in Machine Construction, by I. A. Oding, 48 pp.

RUSSIAN, mo per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 12, De c 1949, pp 1753 - 1787.

NACA M-3875

Sci - Engineering Feb 52 CTS

unpubl rpt. available on loan only

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APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820057-3

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820057-3

Study of Influence of Tube Diameter and Position Upon Hydraulic Resistance and Flow Structure of Gas-Liquid Mixtures, by S. I. Kosterin

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 12, 1949, pp 1824-1831.

Brutcher Tr 3485 K-H 2121 d

Scientific - Chemistry
CTS/DEM Price $7.90 1053

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820057-3

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Kosterin, S.I.
ONDERZOEK NAAR DE INVLOED VAN DIAMETER EN STAND VAN EEN BUIS OP DE STROMINGSWEERSTAND EN HET STROMINGSBEELD VAN GAS-VLOEISTOFMENGELS (Investigation into the influence of the diameter and position of a pipe on the resistance and the figure of flow of gasliquid mixtures).
18 p. 9 refs. MTWL: 457. (Text in Dutch).
Order from OTS or ETC $1.85 61-17036

Trans. of Akademiya Nauk SSSR Otdelenie Tekhnicheskikh Nauk. Izvestiya, 1949, no.12, p. 1824-1831.

DESCRIPTORS: *Gas flow, *Fluid flow, Aerodynamics, Hydrodynamics, *Resistance, *Pipes.

61-17036

I. Kosterin, S.I.
II. MTWL-457
III. Stichting Moeilijk Toegankelijke Wetenschappelijke Literatuur.

Office of Technical Services

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820057-3

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820057-3

On the Theory of Heat Exchange in Furnaces, by G. L. Polyak, S. N. Shorin, 32 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 12, 1949, p 1832. 9094344

CIA/FDD X-4775

NSF TT-E 175, 624

Sci - Phys

Dec 61

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820057-3

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820057-3

Sokolik, A. S., Voinov, A. N., and Sviridov, Yu. B.
INFLUENCE OF CHEMICAL AND TURBULENCE FACTORS ON THE COMBUSTION PROCESS UNDER ENGINE OPERATING CONDITIONS. [1963] 5p
Order from OTS or SLA $1.10 63-18216

Partial trans. (conclusions) of Akad[emiya] Nauk SSSR. Otdel[enie] Tekh[nicheskikh] Nauk. Izvestiya," 1949 [no. 12] p. 1868-1873.

DESCRIPTORS: *Combustion, Combustion chambers, Thermodynamics, Combustion chamber gases, Ignition, Flames, *Turbulence, Velocity.

(Physics--Thermodynamics, TT, v. 10, no. 10)

63-18216

I. Sokolik, A. S.
II. Voinov, A. N.
III. Sviridov, Yu. B.

Office of Technical Services

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820057-3

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820057-3

Heat Transfer Across Spherical Surfaces in the Presence of Free Convection, by D. A. Boyarintsev
4 pp.

RUSSIAN, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 2, Feb 1950, pp 249-252.

Sci Museum Lib No 51/2245 — London

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APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820057-3

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820057-3

LUKASHEVICH-DUVANOVA, YU. T.

Izvestiya Akademii Nauk Sssr, Otd. Tekh. Nauk, Jan. 1950, no. 1, pp. 126-131; 10 figures, 3 tables, 3200 words.

Sulphides in Alloy Steels.

Brutcher Trans, Order No. 2536, $5.60

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820057-3

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820057-3

IAN, OTN No 1, 1950 pp 29-40

Reported in Process (awaiting assignment) in 17 Feb 1951 IB Status Report. Doc F-4700
A & C bee, Tech Br, ID, G-2

Title "Transportation and Soviet Science"
V.V. IZRANKOV

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820057-3

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820057-3

The Electrical Resistance of Shales and Coals During Heating, by A. A. Agroskin, I. G. Petrenko.
RUSSIAN, per, Iz Ak Nauk SSSR Otdelenie Tekhnicheskikh Nauk, No 1, 1950, pp 89-100.
ATS-05R78R

Apr 67 323,138

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820057-3

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820057-3

GLEMBOTSKII, V.A.

IZ. AK. NAUK, SSSR, Otd. Tekh. Nauk, #2, 1950, pp 253-8

Significance of Mechanism and Rate of Collecting for Intensification of the Flotation Process

Brutcher Trans. 2542, $4.95

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820057-3

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820057-3

OSIPOV, N. T.
KASANOVA, T. N.

Izvestiya akademii nauk sssr, Otd. Tekh. Nauk, 1950, No. 3, pp.386-393; 10 figures, 2 tables, 2900 words.

Influence of Boron upon the Kinetics of the Austenite Transformation of Steel.

Brutcher Trans, Order No. 2617, $4.90.

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820057-3

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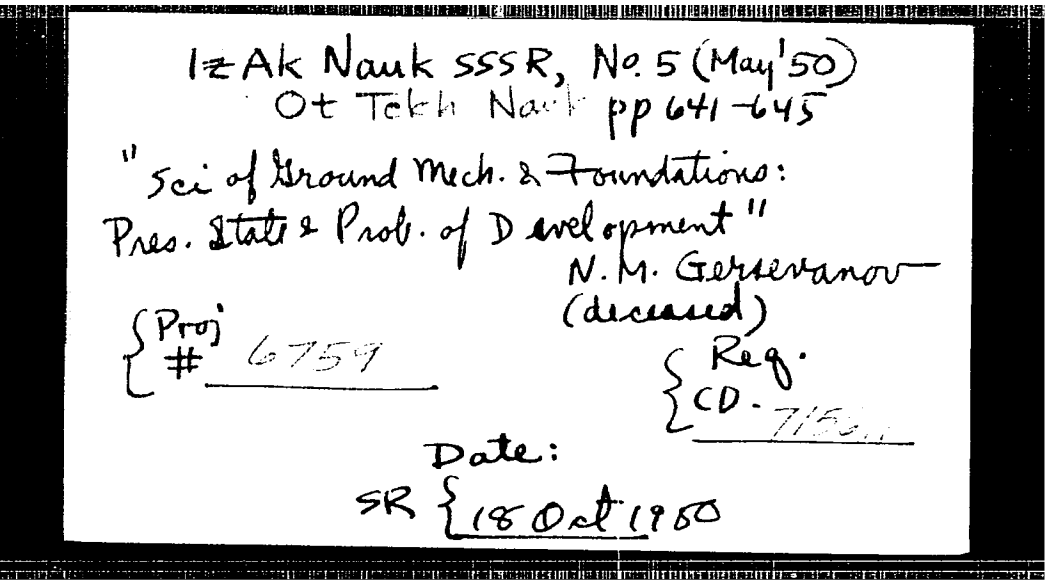


Izv Ak Nauk SSSR, No. 5 (May '50)
Ot Tekh Nauk pp 641-645

"Sci of Ground Mech. & Foundations:
Pres. State & Prob. of Development"
N. M. Gersevanov
(deceased)

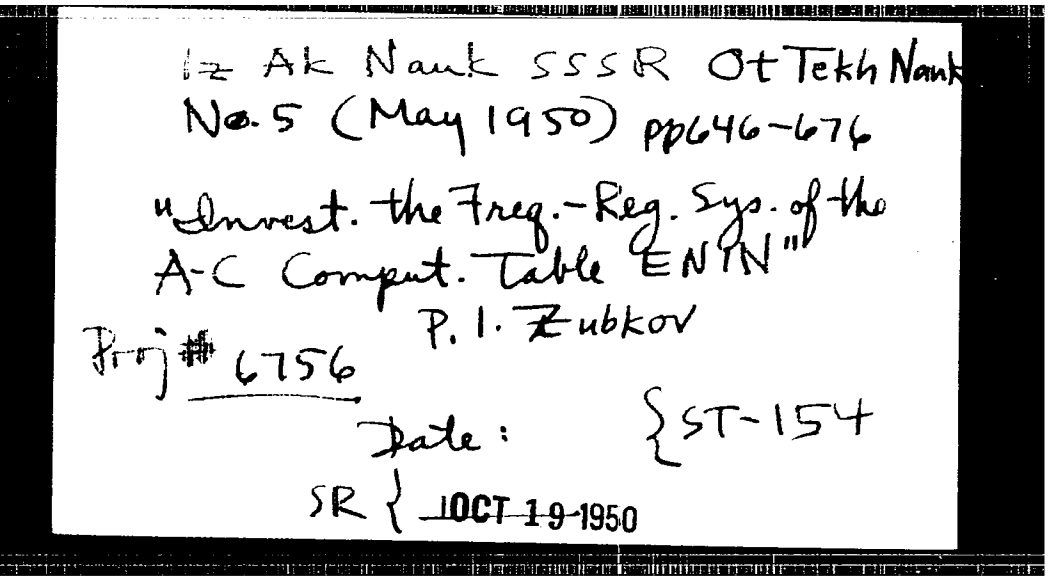
{Proj # 6757

{Req. CD. 7150

Date:
SR {18 Oct 1950

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820057-3

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820057-3



Iz Ak Nauk SSSR Ot Tekh Nauk
No. 5 (May 1950) pp646-676

"Invest. the Freq.-Reg. Sys. of the A-C Comput. Table ENIN"

P. I. Zubkov

Proj # 6756

Date: {ST-154

SR { OCT 19 1950

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820057-3

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820057-3

IAN-OTN No. 5 (May '50)
pp 668-681

"Brightness & Lightness in the Light of the Phy. Theo. of the Visual Process in the Retina" S.O. Mayzel'

Proj #6766 CD-7025.4

Date:
SR DEC 7 1950

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820057-3

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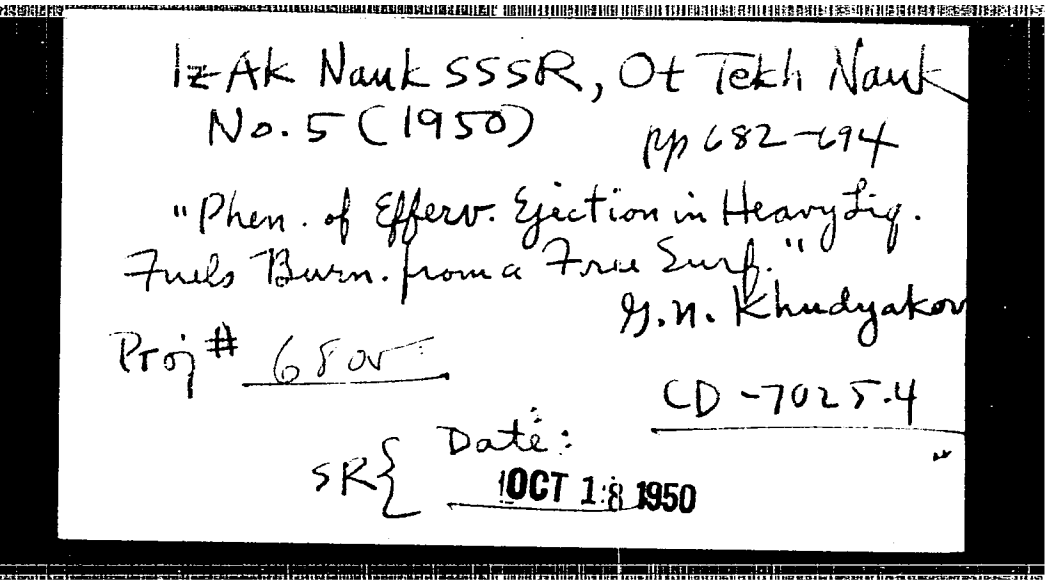

Iz Ak Nauk SSSR, Ot Tekh Nauk
No. 5 (1950) pp 682-694

"Phen. of Efferv. Ejection in Heavy Liq. Fuels Burn. from a Free Surf."

G. N. Khudyakov

Proj # 68 ov-1

CD-7025.4

SR{ Date: OCT 18 1950

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820057-3

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820057-3

Turbulent Transfer in Process of Heat Exchange Diffusion and Chemical Processes, by S. A. Gol'denberg, 6 pp.

RUSSIAN, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 5, 1950, pp 689-94.

Sci Museum Lib No 51/C465 - London

OTS 61-17302

Sci - Chemistry

Proj 6768 ?

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820057-3

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ST-12

Mixing of Gas Currents in the Heating Channels of Coke Ovens, by M. Y. Gubergrits.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel XMI Tekh Nauk No 5, 1950, pp 695-701.

ASLIB-GB114

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Aug 58

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APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820057-3

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Iz Ak Nauk SSSR, OTD Tekhn Nauk, No 5 (May 1950), P. 781.

Report of a New Publication "Works of the Petroleum Institute"

Proj 6800

{ Reg. No. ST-24

Date:

SR { OCT 19 1950

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820057-3

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820057-3

Iz Ak Nauk, Otd Tekh Nauk, No 5, May 50,
pp 792-795

"Chronicle: Conference on Problems of Construction of Water-Well Filters."

Acad L. D. Shevyakov

Proj # 6843 7729

SR 18 Oct 1950

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820057-3

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820057-3

IZ AK NAUK, OT DEL TEKH NAUK
No 6 (Jun'50)

MINING MACHINES FOR EXTRACTING MINERALS FROM THEIR BEDS

A. M. Terpigorev

Proj# 7257

ST- 24

DATE:

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820057-3

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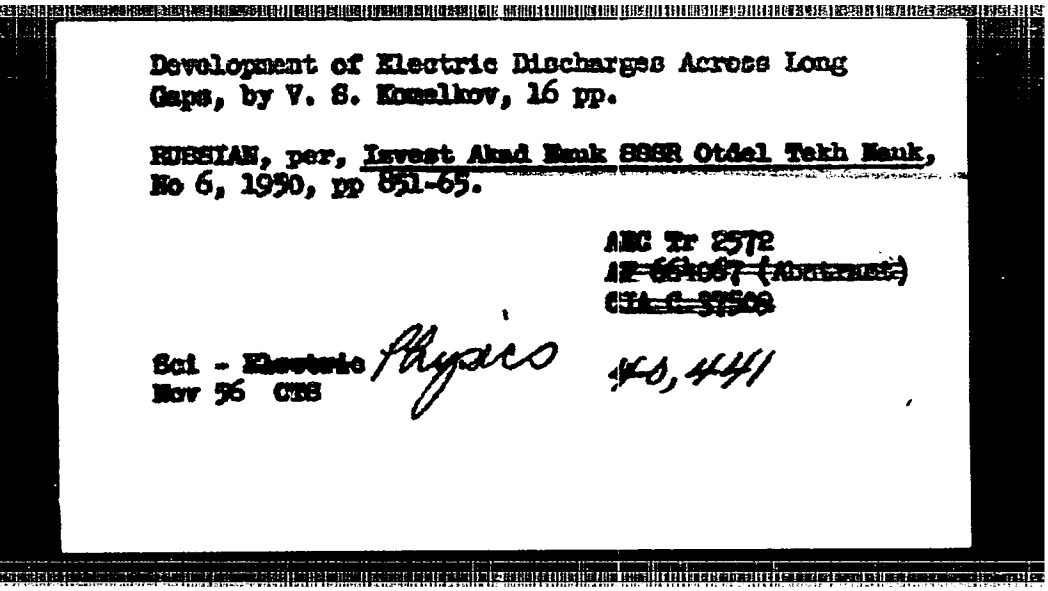

Development of Electric Discharges Across Long Gaps, by V. S. Komelkov, 16 pp.

RUSSIAN, per, Izvest Akad Nauk SSSR Otdel Tekh Nauk, No 6, 1950, pp 851-65.

ASTIA Tr 2572
~~AE-66[illegible] (Abstract)~~
~~CIA-C-37508~~

Sci - Electric Physics
Nov 56 CRS

45,441

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820057-3

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820057-3

Zernov, D. V.
MECANISME DE LA PERFORATION ELECTRIQUE DES DIELECTRIQUES SOLIDES (Mechanism of the Electric Breakdown of Solid Dielectrics). 12p. 14 refs. Order from OTS, ETC or CNRS $0.80 62-28091

Trans. in French of Akademiya Nauk SSSR. Otdelenie Tekhnicheskikh Nauk. Izvestiya, 1950, no. 6, p. 866-872.

DESCRIPTORS: *Dielectric films, *Transients, Solids, Gases, Theory, Ionization, Shock, Electrical corona.

(Physics--Solid State, TT, v. 10, no. 8)

62-28091

I. Zernov, D. V.
II. Centre National de la Recherche Scientifique, Paris (France)

Office of Technical Services

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820057-3

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Heating Efficiency in Boiler Furnaces, by P. K. Konakov,

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 6, 1950, p 888.

Navy 2052/T-78

Sci - Engr
Mar 59

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APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820057-3

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Izvestiya Akademii Nauk, SSSR, Otdeleniye Tekhnicheskikh Nauk

No 6, 1950, pp 901-913

Some Measures for Increasing the Endurance of Open Hearth Furnaces and Improving their Utilization

author: P. O. Budnikov, et al

Project 11750, ST-288 (a), SR 28 Apr 52

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820057-3

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820057-3

Discontinuous Flow about Obstacks in the Form of Arcs of Curves of the Second Degree, by D. V. Maliuzin, UNCLASSIFIED

RUSSIA, per, Izv. Akad. Nauk, Otd. Tekh. Nauk, No 7, 1950, pp 986-984.

A.M.E.
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Scientific - Physics 15,505

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820057-3

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IAN (OTN) No. 7, 1950 pp. 985-94

"Investig. the Initial Phase of a Discharge for Very Small Gaps"

I.S. Stekol'nikov

Proj. 7491 6328.4

DEC 12 1950

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820057-3

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820057-3

The Role of Radiant Energy in Processes of Combustion, by S. N. Shorin, 21 pp.

RUSSIAN, per, Iz Akad Nauk SSSR, Otdel Tekh Nauk, No 7, 1950, pp 995-1015.

Sci Mucfgm Lib No 51/2065 - London

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Project 8687

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820057-3

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820057-3

Shrinkage During Coking, by F. F. Volodin.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, 1950, pp 1024-1033.

Dept of Int
US Bur of Mines
Central Exper Sta
Pitts., Pa. Tr 228

Sci - Engr

NLL N.3967

Jun 59

89,909

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820057-3

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820057-3

Oxidation as a Factor in Spontaneous Combustion of Coals, by G. L. Orleanskaya.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 7, 1950, pp 1071-1079.

United Kingdom Scientific Mission

SLA

54,443

Sci - Chemistry, fuels
Oct 57

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APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820057-3

Poyarkov, S.G.
AÉRODYNAMIQUE DES MIROIRS PARABOLIQUES ROTATIFS, ENVISAGÉE DU POINT DE VUE DU CALCUL DE LA RÉSISTANCE DES STATIONS D'ÉNERGIE SOLAIRE (Aerodynamics of Rotating Parabolic Mirrors with Intent to Calculate the Resistance of Solar Energy Stations). 22p. CNRS-XV 50.
Order from OTS, ETC or CNRS $2.60 TT-62-28195

Trans. in French of Akademiya Nauk SSSR, Otdelenie Tekhnicheskikh Nauk, Izvestiya, Mekh. i Mash., no. 5, p.1112-1124.

DESCRIPTORS: *Curved mirrors, Parabolic bodies, *Aerodynamics, Solar energy, Wind, Pressure, Deformation.

(Astronomy--Astrophysics, TT, v. 11, no. 8)

TT-62-28195

I. Poyarkov, S.G.
II. CNRS-XV 50
III. Centre National de la Recherche Scientifique, Paris

Office of Technical Services
European Translations Centre

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820057-3

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Turbulent Heterogeneous Combustion, by S. A. Goldenberg, 19 pp.

RUSSIAN, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 8, 1950, pp 1151-1164.

Sci Museum Lib No 51/0568 - London

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APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820057-3

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820057-3

Izvestiya Akademii Nauk SSSR, Otedeleniye Tekhnicheskikh Nauk

No 8, 1950, pp 1183-1188

Nature of the Deterioration Mechanism of High-Alloy Steels During Swaging

11751 ST-288 SR 1 May 52

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820057-3

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820057-3

The Effect of Moisture on the Sorption of Methane by Coal, by I. L. Ettinger.
RUSSIAN, per, Izvestiya AN SSSR, Otd Tekh Nauk., No 8, 1950, pp 1198-1203.
*NTIS TT 72-53017

Mar 72

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820057-3

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820057-3

Ignition Temperature of Coals as an Index to Their Liability to Spontaneous Combustion, by V. S. Veselovskyi and E. A. Terpogosova, 6 pp.

RUSSIAN, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 8, 1950, pp 1204-1211
/The figures are only in the Russian original attached./

Sci Museum No 51/2839

Scientific

OTS TT-62-26395 (RUSSIAN to FRENCH)

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820057-3

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(OTAN)

Ivz Ak Nauk No. 9 (Sep'50) p 1433.

Proj # 7572 ST- 24

"Tables of Contents of Two 1950 Issues of the Periodical : Avtomatika i Telemekhanika"

date: DEC 23 1950

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IZVESTIYA AKADEMII NAUK. OTDELENIYE TEKH NAUK
No. 9 (Sept 1950). pp 1433-1440.

Proj 2584 ST-~~24~~ 196

"A Discussion of the Problems of Soviet Science in the Field of Strength and Plasticity of Metals"

DATE: JAN 4 19..

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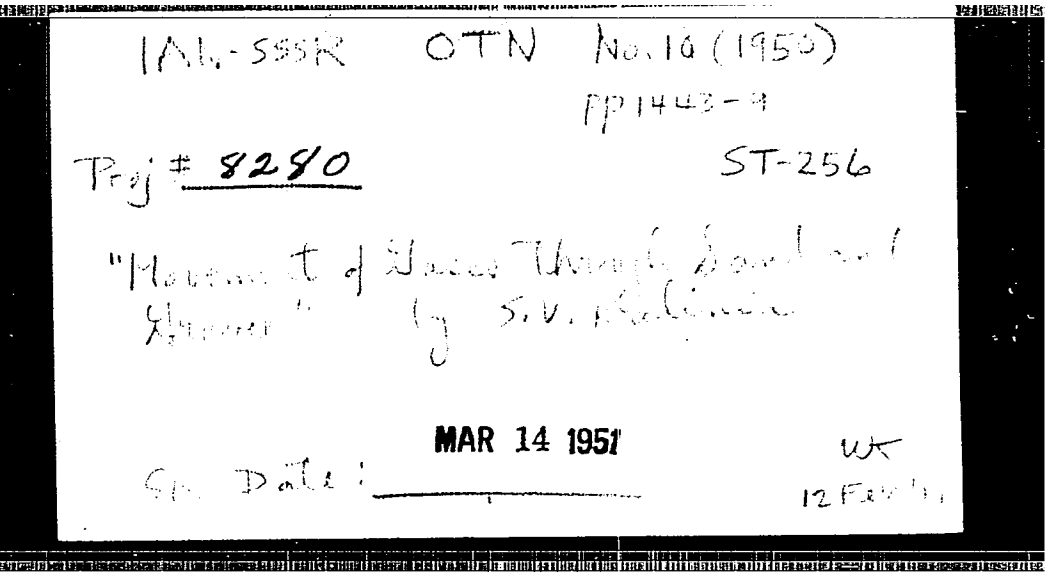

IAN-SSSR OTN No. 10 (1950)
pp 1443-9

Proj # 8280 ST-256

"Movement of Water Through Sand and Gravel" by S.V. Poljakov

MAR 14 1951

Sp. Date: _____

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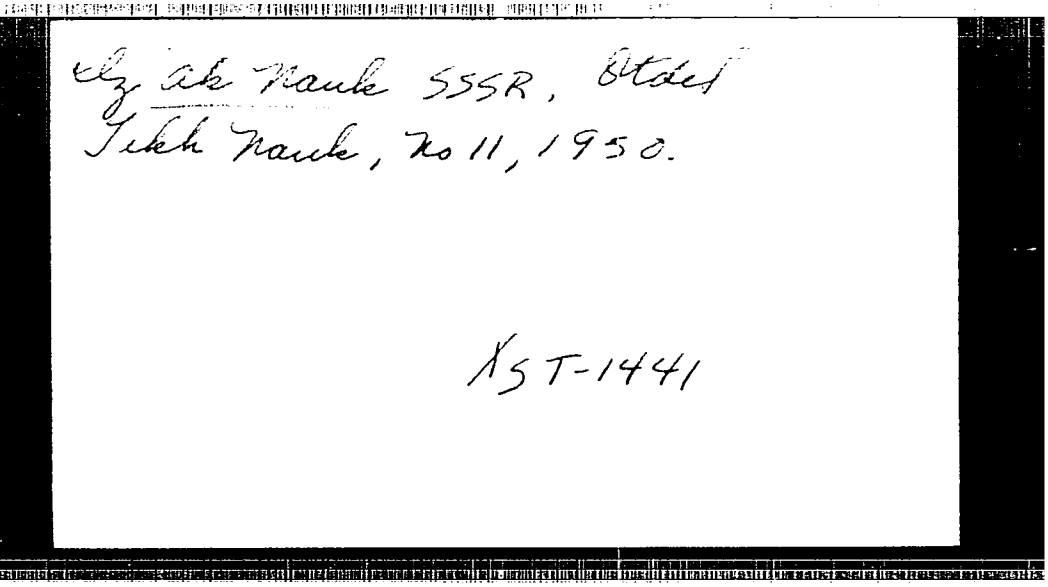

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820057-3

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820057-3

Applications of the Theory of Effective Loads to the Calculation of Dynamically Loaded Bearings, by A. K. Dyachkov, 30 pp. UNCLASSIFIED

Full translation.

RUSSIAN, mo per, Iz Ak Nauk SSSR Otdel Tekh Nauk, No 11, USSR, 1950, pp 1615-1644.

Navy Tr 701/BuShips 500

Scientific - Engineering, bearings

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APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820057-3

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820057-3

Khrushchov, M. M. and Berkovich, E. S.
EXPERIENCE USING AN ELECTRON MICROSCOPE TO MEASURE PARTICULARLY SMALL IMPRESSIONS OBTAINED DURING MICROHARDNESS TESTING. 11 Oct 61 [5]p. 1 ref.
Order from OTS or SLA $1.10 62-10638

Trans. of A[kademiya] N[auk S]SR. Otd[elenie] Tekh[nicheskikh] Nauk. Izv[estiya] 1950, no. 11, p. 1645-1647.

DESCRIPTORS: *Electron microscopy, Measurement, *Hardness, *Microanalysis, Industrial diamonds, Photographs, Ruby.

The possibility is clarified of measuring the size of impressions obtained during hardness testing by means of imprinting by a diamond pyramid by using photographs made from a replica on an electron microscope (Earth Sciences--Mineralogy, TT, v. 8, no. 8) (over)

I. Khrushchov, M. M.
II. Berkovich, E. S.

Office of Technical Services

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820057-3

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820057-3

An Experimental Application of the Electron Microscope for the Measurement of Extra Small Indentations Obtained during Micro-Hardness Tests, by M. M. Khrushchev, J. S. Berkovich

RUSSIAN, Izv. Akad. Nauk, Otd. Tekn. Nauk, (11), 1647-1648, 1950.

Associated Electrical Industries, LTD
Tr No T/432 OT/154

Scientific - Physics

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820057-3

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An Instance of the Application of the Limit of D-Separation for the Evaluation of the Quality of the System of Automatic Regulation, by M. V. Meyerov, 16 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 12, 1950, pp 1784-1794.

SLA 60-23942

Sci

146,209

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APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820057-3

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820057-3

POPOV, I. A.
STARK, B. V.

Izvestiya Akademii Nauk SSSR, Otd. Tekh. Nauk, 1950, No. 12, pp. 1806-1814; 5 figures, 3400 words.

Influence of Calcium Oxide Additions upon Behavior of Manganese and Silicon in Acid Steel-making Process.

Brutcher Trans., Order No. 2685, $5.40

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820057-3

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Mechanism of the Oxidation of Cadmium Sulfide, by D. M. Chizhikov, G. S. Frents, B. Ya. Tratsevitskaya, 13 p.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, 1950, No 12, pp 1815-1826.

MDF C-116

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Vol XXI, No 3

112/105

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820057-3

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820057-3

Plaksin, I. N.
EINWIRKUNG VON GASEN UND REAGENZIEN AUF DIE MINERALIEN IM FLOTATIONSPROZESS (Vozdeystviye Razov i Reagentov na Mineraly vo Flotatsionnykh Protsessakh). [1951] [20]p. 29 refs. [DSIR LLU] M 2102.
Order from OTS or SLA $1.60 61-13599

Trans. in German of A[kademiya] N[auk] SSSR. Otd[eleniye] Tekhn[icheskikh] Nauk. Izv[estiya] 1950, no. 12, p. 1827-1843 (pub. in Sowjetwissenschaft. Naturwissenschaftliche [Beiträge] (West Germany) 1951, v. 4, no. 1.

DESCRIPTORS: *Gases, *Reagents, *Minerals, *Flotation.

(Chemistry--Physical, TT. v. 6, no. 3)

61-13599

I. Plaksin, I. N.
II. DSIR LLU M. 2102

175201

Office of Technical Services

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APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820057-3

The Theory of Corona with DC Voltage, Part III,
by V. I. Popkov, S. I. Ryabaya.
RUSSIAN, per, Izv. AN SSSR OTN, No 1, 1951,
pp 29-38.
NLL Ref: 8732B 1966 (1207)

Sci-Elec
Aug 66

308,509

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820057-3

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The Solution of Some Heat Engineering Problems With Electric Models, by S. S. Vyalov and L. G. Kogan, 15 pp.

RUSSIAN, Iz Ak Nauk SSSR, Otdel Tekh Nauk, Vol 1, 1951, pp 39-52.

Sci Museum No 51/2900

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820057-3

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820057-3

The Dependence of Heat Emission in Pipes on the Direction of Heat Flow and Natural Convection, by Y. Y. Alad'ev, M. A. Kykheev and O. S. Fedunskyi, 15 pp
RUSSIAN, Iz Ak Nauk SSSR, Otdel Tekh Nauk, Vol 1, 1951, pp 53-67.

Sci Museum No 51/2949

CFSTI TT 64-23529

Scientific On loan

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820057-3

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820057-3

Conclusions From the Contact-Hydrodynamic Theory of Lubrication greases, by L. I. Petrucebich, 15 pp. UNCLASSIFIED

Full translation.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 2, Feb 1951, pp 209-223.

Navy Tr 603/BuShips 480
DSI Tr 293
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Scientific - Engineering

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820057-3

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Vanadium in Acid Steel-Making Process and Deoxidising Power of Vanadium, by I. A. Popov, B. V. Stark.

RUSSIAN, per, Is Ak Nauk SSSR, Otdel Tekh Khim, No 2, 1951, pp 261-266.

Brutcher No 2843-B
$3.90

Sci - Min/metals

40, 690

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820057-3

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Use of the Luminescence Method for Characterizing the Properties of Coals, by I. I. Amosov.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 3, 1951, pp 341-349.

Dept of Interior
TP325 A55

Sci - Fuels

Aug 62

207,264

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820057-3

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820057-3

The Application of the Bactericidal Effect of Ultraviolet Radiation to Purification of Drinking Water, by V. P. Sokolov.
Russian, per, Izv. Akad. Nauk SSSR, Otd. Tekh. Nauk, 1951, pp 360-368. P91114376G
AEC TR-tr-95

Sci/Biol
Jan 67

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APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820057-3

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Heat Exchange by Radiation in the Presence of an Absorbing Medium, by S. N. Shorin, 6 pp.

Otdel Tekh Nauk,
RUSSIAN, per, Iz Ak Nauk SSSR, No 3, 1951, pp 389-406.

Engs Digest, Vol XII, No 10, Oct 1951

Navy 2044/T-67

Scientific - Engineering
CTS/DEX ALSO CIA/FDD/X-1114

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APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820057-3

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820057-3

n Investigation of Circulation in Steam-Generating Tubes at High Steam Pressure, by M. A. Styrikovich, nd G. E. Kholodovskii.

Full translation.

USSIAN, mo per, Iz Ak Nauk SSSR, Otdel Nauk, No 4, 951, pp 506-528.

AEC Tr 1433

SSR

cientific - Engineering, physics, tubes, steam pressure

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820057-3

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820057-3

Kutateladze, S. S.
HYDRODYNAMIC THEORY OF THE CHANGE OF BOILING REGIME OF A LIQUID WITH FREE CONVECTION [Gidrodinamicheskaya Teoriya Izmeneniya Rezhima Kipeniya Zhidkosti pri Svobodnoi Konvektsii]. [1964] 15p 10refs
Order from OTS, SLA, or ETC $1.60 TT-64-16013

Trans. of Akademiya Nauk SSSR, Otdelenie Tekhnicheskikh Nauk, Izvestiya, 1951, no. 4, p. 529-536. Another trans. is available from SLA as RT-1870.

(Physics--Thermodynamics, TT, v. 11, no. 11)

TT-64-16013

I. Kutateladze, S. S.
II. RT-1870

SLA R 2412

AEC 1424

for N.A. 1852/3355

Office of Technical Services

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L.I. Ginzburg
The use of scale models for forced ventilation with heat loss in enclosed spaces, 18 pp
RUSSIAN per, Izvestiya Akademii Nauk SSSR, Otdelenie tekhnicheskikh nauk, 1951, No 4, pp 537 - 549
Sci Museum Lib no 52/0204

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820057-3

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On the Critical Heat Load During Boiling of Liquids i
in Volume, by M. A. Styrikovich, G. M. Polyakov,
11 pp.

RUSSIAN, per, Is Ak Nauk SSSR, Otdel Tekh Nauk, No 5,
1951, pp 652-656.

ATIC F-TS-9359/III

Sci - Phys

Jan 58

57, 857

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820057-3

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Investigation of the Process of Turbulent Combustion Taking Into Account Secondary Reactions, by S. A. Gol'denburgh, 14 pp.

RUSSIAN, per, Is Ak Nauk SSSR, Otdel Tekh Nauk, No 5, 1951, pp 657-666.

R.A.E. Farnsborough Tr 577
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Sci - Physics 42,840

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820057-3

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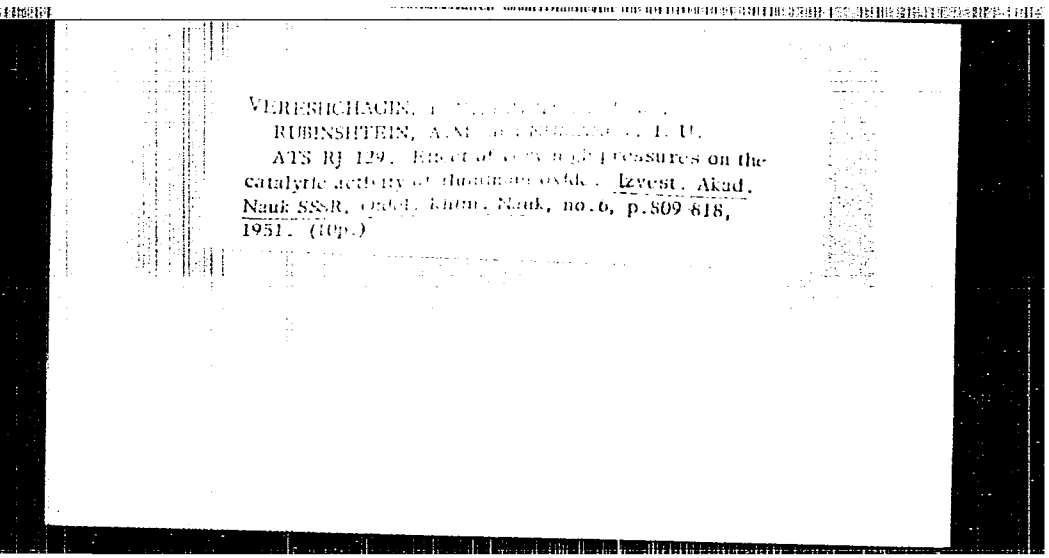

VERESHCHAGIN, [illegible]
RUBINSHTEIN, A.M. [illegible] I. U.
ATS RJ 129. Effect of [illegible] pressures on the catalytic activity of [illegible]. Izvest. Akad. Nauk SSSR, Otdel. Khim. Nauk, no.6, p.809-818, 1951. (10p.)

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820057-3

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On Methods MX for the Linearization of Non-Linear Equations of the Type of Thermal Conductivity Equations, by I. Z. Charnuii, 15 pp.

Full translation.

RUSSIAN, Iz Ak Nauk SSSR, Otdel Tekh Nauk, 1951, No 6, pp 829-838.

OTS 63-13021
OTS 61-17388
Sci Mus Lib No 52/3245
Also T/482, OT348
Indsf Aeronautics Oct 1953.

Scientific -

27 December 1952

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820057-3

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820057-3

Investigation of Some Physical Properties of Alloys in the System Iron-Nickel-Tantalum by K. A. Osipov.

RUSSIAN, Iz Ak Nauk SSSR, Otd. Tekh. Nauk, 1951, No 6, pp 848-851.

Brutcher Tech Tr No 2859

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820057-3

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On the Temperature Field of a Liquid Burning From a Free Surface, and on the Flame Over It, by G. B. Khudyakov, 18 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 7, 1951, pp 1015-1024.

SLA 59-15131

Sci - Fuels
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Vol 2, No 2

98,004

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820057-3

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Turbulent, Mixed Combustion in the High-Temperature Range, by S. A. Goldenberg, 12 pp.

RUSSIAN, mo per, Iz Ak Nauk, SSSR, Otdel Tekh Nauk, No 7, Jul 1951, pp 1025-1030.

~~Technical Library, [illegible]~~
~~Secretary~~
CIA/FDD/X-748

Scientific - Engineering, combustion, high-temperature, turbulent

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820057-3

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The Initial Stage of Oxidation in Hard Coal, by V. S. Veselovskiy, G. L. Orleyanskaya, 8 pp.

RUSSIAN, per, Is Ak Nauk SSSR, Otdel Tekh Nauk, No 7, 1951, pp 1041-1047.

Sci Tr Center RT-2176

Scientific - Chemistry
Apr 55 CTS

22,803

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820057-3

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On the Velocity of Rise and Hydraulic Resistance of Gas Bubbles in Liquids, by B. K. Konlov, M. A. Mologin, 19 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, 1951, pp 1188-1197.

AEC Tr 3274

Sci - Phys

Sep 58

73, 758

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820057-3

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Two-Directional Compaction of Powdered Substances, by I. A. Keskovich.

RUSSIAN, Iz Ak Nauk SSSR, OTN, 1951, No 8, pp 1230-1233.

Brutcher Tech Tr 2853

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820057-3

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Problem of the Voltage Step Above 220-kv for Long-Distance Transmission of Large Blocks of Power, by M. A. Basov, 30 pp.

RUSSIAN, mo per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 9, 1951, pp 1265-1283.

[redacted]

CIA/FDL/X-749

Scientific - Electricity, hydroelectric plants, transmission, voltage, power

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Kinetics of Regeneration of Silica-Alumina Catalysts. Nature of the Process of Oxidation of "Coke" on Silica-Alumina Catalysts, by G. M. Panchenkov and N. V. Coloverov.

Full translation.

RUSSIAN, mo per, Iz Ak Nauk SSSR, Otdel Tekhn Nauk, No 10, 1951, pp 1513-1521.

Assoc Tech Sv Tr RJ-97

Scientific - Chemistry

Mar 53 CTS $14.75 ($1.95)

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Experimental Determination of Local and Average Coefficients of Heat Transfer During Tubbulent Flow of Liquids in Tubes, by I. T. Aladʹev.

Full translation.

RUSSIAN, no per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 11, USSR, 1951, pp 1669-1681.

AEC Tr 1493

Scientific - Physics, coefficients heat transfer, liquids

Microfilm Reel E-227 - NACA 1356

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Diffusion of Elements in Molten Iron, by Stark, Tchelischev, Kazatshkov, 5 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 11. 1951, pp 1689. CIA 9005585

Sci - Min/Met

Jun 57 48,221

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820057-3

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820057-3

On the Fundamental Concepts of the Theory of Phase Transformations in Solids, by V. I. Arkharov

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 11, 1951, pp XXXXX 1744-1751.

5

Brutcher Tr 2851

Scientific - Minerals/Metals
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APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820057-3

Current Asymmetry in A-C Arcs Between Electrodes of Dissimilar Current-Conducting Materials, by G. M. Tikhodeyev.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 12, 1951, pp 1777-1785.

HB 5176

Sci

Sep 61

170,091

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820057-3

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820057-3

Yurov, S. G. and Khazanov, V. S.
THE EFFECT OF TEMPERATURE ON THE SPECTRAL TRANSMISSION OF COLOURED GLASS (Vliyanie Temperatury na Spektral'noe Propuskanie Tsvetnogo Stekla) tr. by G. Belkov. 1961, 14p. 4 refs. NRCC Technical Trans. 965.
Order from NRCC $1.00 NRCC C-3721

Trans. of Akad[emiya] Nauk SSSR, Otdel[enie] Tekh[nicheskikh] Nauk. Izvest[iya] 1951, no. 12, p. 1792-1800.

DESCRIPTORS: Temperature, Light transmission, *Spectrographic data, *Glass, *Colors, Optical filters.

(Materials--Ceramics, TT, v. 7, no. 9)

61-25406

I. Yurov, S. G.
II. Khazanov, V. S.
III. NRCC TT-965
IV. NRCC C-3721
V. National Research Council of Canada

Office of Technical Services

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Combustion of a Carbon Particle Moving in a Gas Flow, by Z. S. Leont'yeva. RUSSIAN, per, Izv Ak Nauk SSSR OTN, No 12, 1951, pp 1801-1811. NASA TT F-10,000

Sci-Fuels
Apr 66

298,665

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820057-3

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820057-3

(FDD 21065)

Celebration of the 80th Anniversary of Member of the Academy G. M. Krzhizhanovskiy, 1 p.

RUSSIAN, mo nar, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 2, Moscow, Feb 1952, p 326.

CIA/FDD U-5928

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Scientific - Engineering, power 15,639

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820057-3

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Heat Transfer in Boiler Furnaces, by P. K. Konakov. UNCL

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 3, 1952, pp 367-373.

DSIR LIU (loan) 14.373

Sci - Phys
Jul 59

90, 164

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Kinetics of the Regeneration of Aluminosilicate Catalyst. Mechanism of the Oxidation of Coke on Aluminosilicate Catalysts, by O. M. Pauchekov, H. V. Golovanov, 14 pp.

RUSSIAN, mo per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, 1952, pp 384-394.

CIA/FDD/X-2357

Sci - Chemistry
Apr 1957 CTS/dex

46,048

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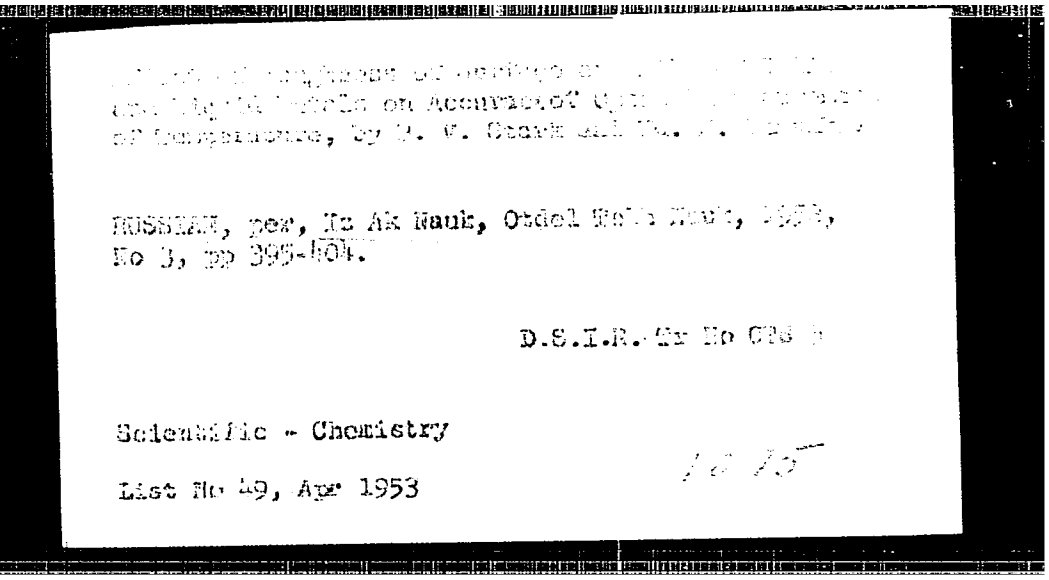

[illegible] on Accumulation [illegible] of Components, by V. V. Ozerk and Ya. [illegible]

RUSSIAN, pex, Iz Ak Nauk, Otdel Khim Nauk, 1953, No 3, pp 395-401.

D.S.I.R. Ex No C26 [illegible]

Scientific - Chemistry

List No 49, Apr 1953

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Chief Factors in Determining Gas Capacity of Coals at Atmospheric Pressure, by I. L. Ettinger

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tek Nauk, 1952, No 3, pp 423-432.

D.S.I.R. Tr No ~~ER~~ CTS 15

Scientific - Fuels

List No 49, Apr 1953

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APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820057-3

Heat of Activation in the Process of Surface Self-diffusion of Metals, by I. Fedorchenko
RUSSIAN, per, Izvest. Akad. Nauk SSSR Otdel. Tekhn. Nauk, no. 4, 1952 PP.560-571
*CFSTI TT 70-57023

Sci/phys
Feb 70

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820057-3

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820057-3

Works of V. P. Velchenkin on the Theory and Computation of Screw Propellers and Winged Motors.
UNCLASSIFIED

Full translation.

RUSSIAN, per, I A N SSSR, Otdel Tekhn Nauk, No 5, 1952, pp 771-775.

ATIC F-TS-7994

USSR

Scientific - Propellers, motors, Academy of Sciences

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APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820057-3

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820057-3

Detection of Sources of Spontaneous Combustion of Coal in Mines, by G. L. Orlovanskaya, 13 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 6, 1952, pp 877-882. CIA D151227

Sci Tr Center RT-1967

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